



RAILROAD COMMISSION OF TEXAS

Form W-2

1701 N. Congress
P.O. Box 12967
Austin, Texas 78701-2967

Status: Approved
Date: 01/27/2016
Tracking No.: 148462

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT, AND LOG

OPERATOR INFORMATION

Operator Name: WARREN AMERICAN OIL COMPANY, LLC Operator No.: 897722
Operator Address: PO BOX 470372 TULSA, OK 74147-0372

WELL INFORMATION

API No.: 42-105-42255 County: CROCKETT
Well No.: 6 RRC District No.: 7C
Lease Name: UNIVERSITY OF TEXAS - 245 Field Name: FARMER (SAN ANDRES)
RRC Lease No.: 09705 Field No.: 30243500
Location: Section: 4, Block: 46, Survey: UL, Abstract:

Latitude: 30.99021 Longitude: -101.35980
This well is located 14 miles in a SE
direction from BIG LAKE,
which is the nearest town in the county.

FILING INFORMATION

Purpose of filing: Well Record Only
Type of completion: New Well
Well Type: Shut-In Producer Completion or Recompletion Date: 08/08/2015

Type of Permit Date Permit No.
Permit to Drill, Plug Back, or Deepen 06/01/2015 806873
Rule 37 Exception
Fluid Injection Permit
O&G Waste Disposal Permit
Other:

COMPLETION INFORMATION

Spud date: 07/21/2015 Date of first production after rig released: 08/08/2015
Date plug back, deepening, recompletion, or drilling operation commenced: 07/21/2015 Date plug back, deepening, recompletion, or drilling operation ended: 08/08/2015
Number of producing wells on this lease in this field (reservoir) including this well: 6 Distance to nearest well in lease & reservoir (ft.): 1376.0
Total number of acres in lease: 320.00 Elevation (ft.): 2577 GL
Total depth TVD (ft.): 2343 Total depth MD (ft.):
Plug back depth TVD (ft.): Plug back depth MD (ft.):
Was directional survey made other than inclination (Form W-12)? No Rotation time within surface casing (hours): 96.0
Is Cementing Affidavit (Form W-15) attached? Yes
Recompletion or reclass? No Multiple completion? No
Type(s) of electric or other log(s) run: Combo of Induction/Neutron/Density
Electric Log Other Description:
Location of well, relative to nearest lease boundaries Off Lease : No
of lease on which this well is located: 1058.0 Feet from the West Line and
2320.0 Feet from the North Line of the
UNIVERSITY OF TEXAS 245 Lease.

FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.

Field & Reservoir Gas ID or Oil Lease No. Well No. Prior Service Type

PACKET: N/A

W2:	N/A		
FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:			
GAU Groundwater Protection Determination		Depth (ft.): 750.0	Date: 11/28/2012
SWR 13 Exception		Depth (ft.):	

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION	
Date of test:	Production method:
Number of hours tested: 24	Choke size:
Was swab used during this test? No	Oil produced prior to test:
PRODUCTION DURING TEST PERIOD:	
Oil (BBLs):	Gas (MCF):
Gas - Oil Ratio: 0	Flowing Tubing Pressure:
Water (BBLs):	
CALCULATED 24-HOUR RATE	
Oil (BBLs):	Gas (MCF):
Oil Gravity - API - 60.:	Casing Pressure:
Water (BBLs):	

CASING RECORD											
Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Depth (ft.)	Multi - Shoe Depth (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
1	Surface	8 5/8	12 1/4	841			C	530	832.0	SURF ACE	Circulated to Surface
2	Conventional Production	5 1/2	7 7/8	2327			C	310	427.0	1093	Cement Evaluation Log

LINER RECORD									
Row	Liner Size (in.)	Hole Size (in.)	Liner Top (ft.)	Liner Bottom (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
N/A									

TUBING RECORD			
<u>Row</u>	<u>Size (in.)</u>	<u>Depth Size (ft.)</u>	<u>Packer Depth (ft.)/Type</u>
/			
N/A			

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Row	Open hole?	From (ft.)	To (ft.)
N/A			

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment performed?		No	
Is well equipped with a downhole actuation sleeve?		No	
If yes, actuation pressure (PSIG):			
Production casing test pressure (PSIG) prior to hydraulic fracturing treatment:		Actual maximum pressure (PSIG) during hydraulic fracturing:	
Has the hydraulic fracturing fluid disclosure been reported to FracFocus disclosure registry (SWR29)?		No	
Row	Type of Operation	Amount and Kind of Material Used	Depth Interval (ft.)
N/A			

FORMATION RECORD					
<u>Formations</u>	<u>Encountered</u>	<u>Depth TVD (ft.)</u>	<u>Depth MD (ft.)</u>	<u>Is formation isolated?</u>	<u>Remarks</u>
QUEEN	Yes	1640.0	1640.0	No	
SAN ANDRES	Yes	1858.0	1858.0	No	
LEONARD	No			No	
WOLFCAMP	No			No	
CANYON	No			No	
STRAWN	No			No	
DEVONIAN	No			No	
ELLENBURGER	No			No	

Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm (SWR 36)?

No

Is the completion being downhole commingled (SWR 10)?

No

REMARKS

RRC REMARKS
<div>PUBLIC COMMENTS:</div> <div>CASING RECORD :</div> <div>TUBING RECORD: NOT YET COMPLETED</div> <div>PRODUCING/INJECTION/DISPOSAL INTERVAL :</div> <div>ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :</div> <div>POTENTIAL TEST DATA:</div>

OPERATOR'S CERTIFICATION	
Printed Name: Cheryl Dixon	Title: Land Manager
Telephone No.: (918) 481-7942	Date Certified: 01/06/2016

Cementer: Fill in shaded areas.
Operator: Fill in other items.

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

1. Operator's Name (As shown on Form P-5, Organization Report) Warren American Oil Company, LLC		2. RRC Operator No. 897722	3. RRC District No. 7C	4. County of Well Site Crockett
5. Field Name (Wildcat or exactly as shown on RRC records) Farmer (San Andres)			6. API No. 42-10542255	7. Drilling Permit No. 806873
8. Lease Name University of Texas 245		9. Rule 37 Case No.	10. Oil Lease/Gas ID No. 09705	11. Well No. 6

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date		7-22-15					
13. •Drilled hole size		12 1/4					
•Est. % wash or hole enlargement							
14. Size of casing (In. O.D.)		8 5/8					
15. Top of liner (ft.)							
16. Setting depth (ft.)		841					
17. Number of centralizers used		8					
18. Hrs. waiting on cement before drill-out		264					
1st Slurry	19. API cement used: No. of sacks ▶	230					
	Class ▶	c-lite					
	Additives ▶	cello					
2nd Slurry	No. of sacks ▶	200					
	Class ▶	c					
	Additives ▶	cc, cello					
3rd Slurry	No. of sacks ▶	100					
	Class ▶	c					
	Additives ▶	cc, cello					
1st	20. Slurry pumped: Volume (cu. ft.) ▶	432					
	Height (ft.) ▶	1046					
2nd	Volume (cu. ft.) ▶	266					
	Height (ft.) ▶	644					
3rd	Volume (cu. ft.) ▶	134					
	Height (ft.) ▶	324					
Total	Volume (cu. ft.) ▶	832					
	Height (ft.) ▶	2014					
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?		yes					
22. Remarks topped off thru 1" w/100 sx class c.							

CEMENTING TO PLUG AND ABANDON	PLUG # 1	PLUG # 2	PLUG # 3	PLUG # 4	PLUG # 5	PLUG # 6	PLUG # 7	PLUG # 8
23. Cementing date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu. ft.)								
28. Calculated top of plug (ft.)								
29. Measured top of plug, if tagged (ft.)								
30. Slurry wt. (lbs/gal)								
31. Type cement								

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

Michael Tollett

BASIC ENERGY SERVICES

Name and title of cementer's representative

Cementing Company

Signature

P. O. Box 1519

Eastland, TX 76448

254-442-2200

July 22 2015

Address

City.

State. Zip Code

Tel.: Area Code Number

Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

John Burroughs

HP Operations

Typed or printed name of operator's representative

Title

Signature

P.O. Box 470372

Tulsa

OK 74147 918 481-7990

8/1/15

Address

City.

State. Zip Code

Tel.: Area Code Number

Date: mo. day yr.

Instructions to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide Rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion), and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

A. What to file. An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:

- An initial oil or gas completion report, **Form W-2 or G-1**, as required by Statewide or special field rules;
- Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. Where to file. The appropriate Commission District Office for the county in which the well is located.

C. Surface casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

D. Centralizers. Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.

F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).

G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

Cementer: Fill in shaded areas.
Operator: Fill in other items.

Form W-15
Cementing Report
Rev. 4/1/83
483-045

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

1. Operator's Name (As shown on Form P-5, Organization Report) Warren American Oil Co., LLC	2. RRC Operator No. 897722	3. RRC District No. 7C	4. County of Well Site Crockett
5. Field Name (Wildcat or exactly as shown on RRC records) Farmer (San Andros)		6. API No. 42-10542255	7. Drilling Permit No. 806873
8. Lease Name University of Texas 245	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. 09705	11. Well No. 6

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date				8-7-15			
13. •Drilled hole size				7 7/8			
•Est. % wash or hole enlargement							
14. Size of casing (In. O.D.)				5 1/2			
15. Top of liner (ft.)							
16. Setting depth (ft.)				2327			
17. Number of centralizers used				13			
18. Hrs. waiting on cement before drill-out							
1st Slurry	19. API cement used: No. of sacks ▶			110			
	Class ▶			c-lite			
	Additives ▶			cello			
2nd Slurry	No. of sacks ▶			200			
	Class ▶			c			
	Additives ▶			cc,cello			
3rd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1st	20. Slurry pumped: Volume (cu. ft.) ▶			226			
	Height (ft.) ▶			1304			
2nd	Volume (cu. ft.) ▶			201			
	Height (ft.) ▶			1160			
3rd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu. ft.) ▶			427			
	Height (ft.) ▶			2464			
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?				no			
22. Remarks							

OVER

CEMENTING TO PLUG AND ABANDON	PLUG # 1	PLUG # 2	PLUG # 3	PLUG # 4	PLUG # 5	PLUG # 6	PLUG # 7	PLUG # 8
23. Cementing date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu. ft.)								
28. Calculated top of plug (ft.)								
29. Measured top of plug, if tagged (ft.)								
30. Slurry wt. (lbs/gal)								
31. Type cement								

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

Austin Busby
 Name and title of cementer's representative
P. O. Box 1519
 Address
BASIC ENERGY SERVICES
 Cementing Company
Eastland, TX 76448
 City, State, Zip Code
254-442-2200
 Tel.: Area Code Number
August 7 2015
 Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

John Burroughs
 Typed or printed name of operator's representative
P.D. BOX 470372
 Address
IP Operations
 Title
Tulsa OK 74147
 City, State, Zip Code
918/481-7990
 Tel.: Area Code Number
8/15/15
 Date: mo. day yr.

Instructions to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide Rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion), and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

A. What to file. An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:

- An initial oil or gas completion report, **Form W-2 or G-1**, as required by Statewide or special field rules;
- **Form W-4**, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- **Form W-3**, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. Where to file. The appropriate Commission District Office for the county in which the well is located.

C. Surface casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

D. Centralizers. Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. **An operator must obtain approval of any exception before beginning casing and cementing operations.**

F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).

G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

Form W-12
(1-1-71)
FOD1296

INCLINATION REPORT (One Copy Must Be Filed With Each Completion Report)		6. RRC District <div style="text-align: center;">7C</div>
1. FIELD NAME (as per RRC Records or Wildcat) <div style="text-align: center;">Farmer (San Andres)</div>	2. LEASE NAME <div style="text-align: center;">University of Texas 245</div>	7. RRC Lease Number. (Oil completions only) <div style="text-align: center;">09705</div>
3. OPERATOR <div style="text-align: center;">Warren American Oil Company, LLC</div>		8. Well Number <div style="text-align: center;">6</div>
4. ADDRESS <div style="text-align: center;">6585 S. Yale Suite 800 Tulsa, OK 74136</div>		9. RRC Identification Number (Gas completions only)
5. LOCATION (Section, Block, and Survey) <div style="text-align: center;">14 miles SE direction from Big Lake</div>		10. County <div style="text-align: center;">Crockett</div>

RECORD OF INCLINATION

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle x 100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
475	475	0.500	.873	4.145	4.15
916	441	0.500	.873	3.848	7.99
1388	472	0.500	.873	4.119	12.11
1860	472	0.500	.87	4.12	16.23
2300	440	0.500	.87	3.84	20.07
2343	43	0.500	.87	.38	20.45

If additional space is needed, use the reverse side of this form.

17. Is any information shown on the reverse side of this form? ☐ yes ☒ no XX no
18. Accumulative total displacement of well bore at total depth of 2343 feet = 20.45 feet.
- *19. Inclination measurements were made in - ☐ Tubing ☐ Casing ☐ Open hole ☒ Drill Pipe
20. Distance from surface location of well to the nearest lease line 1058 feet.
21. Minimum distance to lease line as prescribed by field rules 330 feet.
22. Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? No

(If the answer to the above question is "yes," attach written explanation of the circumstances.)

<p>INCLINATION DATA CERTIFICATION</p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on both sides of this form and that such data and facts are true, correct, and complete to the best of my knowledge. This certification covers all data as indicated by asterisks (*) by the item numbers on this form.</p> <div style="text-align: center;"> Signature of Authorized Representative James R. Phillips, Member Name of Person and Title (type or print) Blue Line Drilling Co., LLC Name of Company Telephone: (325) 653-1891 <div style="text-align: center;">Area Code</div> </div>	<p>OPERATOR CERTIFICATION</p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of all information presented in this report, and that all data presented on both sides of this form are true, correct, and complete to the best of my knowledge. This certification covers all data and information presented herein except inclination data as indicated by asterisks (*) by the item numbers on this form.</p> <div style="text-align: center;"> Signature of Authorized Representative John Burroughs Name of Person and Title (type or print) Warren American Oil Co., LLC Operator Telephone: 978-481-7990 <div style="text-align: center;">Area Code</div> </div>
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Railroad Commission Use Only:

Approved By: _____ Title: _____ Date: _____

* Designates items certified by company that conducted the inclination surveys.

RECORD OF INCLINATION (Continued from reverse side)[illegible]

If additional space is needed, attach separate sheet and check here. ☐

REMARKS:

- INSTRUCTIONS -

An inclination survey made by persons or concerns approved by the Commission shall be filed on a form prescribed by the Commission for each well drilled or deepened with rotary tools or when, as a result of any operation, the course of the well is changed. No inclination survey is required on wells that are drilled and completed as dry holes that are plugged and abandoned. (Inclination surveys are required on re-entry of abandoned wells.) Inclination surveys must be made in accordance with the provisions of Statewide Rule 11.

This report shall be filed in the District Office of the Commission for the district in which the well is drilled, by attaching one copy to each appropriate completion for the well. (except Plugging Report)

The Commission may require the submittal of the original charts, graphs, or discs, resulting from the surveys.

Tracking No.: 148462

This facsimile L-1 was generated electronically from data submitted to the RRC.

Instructions

When to File Form L-1:

- with Forms G-1, W-2, and GT-1 for new and deepened gas, oil, and geothermal wells
- with Form W-3 for plugged dry holes
- when sending in a log which was held under a request for confidentiality and the period for confidentiality has not yet expired.

When is Form L-1 NOT required:

- with Forms W-2, G-1, and GT-1 filed for injection wells, disposal wells, water supply wells, service wells, re-test wells, re-classifications, and plugbacks of oil, gas or geothermal wells
- with Form W-3 for plugging of other than a dry hole

Where to File Form L-1:

- with the appropriate Commission district office

Filling out Form L-1:

- Section I and the signature section must be filled out for all wells
- complete only the appropriate part of Section II

Type of log required:

- any wireline survey run for the purpose of obtaining lithology, porosity, or resistivity information
- no more than one such log is required but it must be of the subject well
- if such log is NOT run on the subject well, do NOT substitute any other type of log; just select Section II, Part A below

SECTION I. IDENTIFICATION

Operator Name: WARREN AMERICAN OIL COMPANY, LLC	District No. 7C	Completion Date: 08/08/2015
Field Name FARMER (SAN ANDRES)	Drilling Permit No. 806873	
Lease Name UNIVERSITY OF TEXAS - 245	Lease/ID No. 09705	Well No. 6
County CROCKETT	API No. 42- 105-42255	

SECTION II. LOG STATUS (Complete either A or B)

☐ A. BASIC ELECTRIC LOG NOT RUN☒ B. BASIC ELECTRIC LOG RUN. (Select one)

- ☒ 1. Confidentiality is requested and a copy of the header for each log that has been run on the well is attached.
- ☐ 2. Confidentiality already granted on basic electric log covering this interval (applicable to deepened wells only).
- ☐ 3. Basic electric log covering this interval already on file with Commission (applicable to deepened wells only).
- ☐ 4. Log attached to (select one):

☐ (a) Form L-1 (this form). If the company/lease name on log is different from that shown in Section I, please enter name on log here: _____

Check here if attached log is being submitted after being held confidential. ☐

☐ (b) Form P-7, Application for Discovery Allowable and New Field Designation.

☐ (c) Form W-4, Application for Multiple Completion:

Lease or ID No(s). _____

Well No(s). _____

Cheryl Dixon

Signature

WARREN AMERICAN OIL COMPANY, LLC

Name (print)

Land Manager

Title

(918) 481-7942

Phone

01/06/2016

Date

-FOR RAILROAD COMMISSION USE ONLY-



Tucker

ENERGY SERVICES

DUAL LATEROLOG / MSFL

RESISTIVITY LOG

Company WARREN AMERICAN OIL COMPANY
Well UNIVERSITY OF TEXAS 245 #6
Field FARMER(SAN ANDRES)
County CROCKETT
State TEXAS
Country USA
API No. 42-105-42255

File No : ABL-60688
Company : WARREN AMERICAN OIL COMPANY,LLC
Well : UNIVERSITY OF TEXAS 245 #6
Field : FARMER(SAN ANDRES)
County : CROCKETT
State : TEXAS
Country : USA
API No : 42-105-42255

Location :
1720' FEL & 2320' FNL
OF SURVEY UL BLK. 46

LSD : Sect : 4 Twp : Rge :

Permanent Datum:	GL	Elevations:		Services:
Drilling Measured From:	KB	KB 2586.00	Ft	CNT CST
Log Measured From:	KB	DF 2685.00	Ft	LDT DLT
Above Permanent Datum:	9.00 Ft	GL 2577.00	Ft	MLT
Date	08-06-2015			
Run Number	1			
Depth--Driller	2343.0	Ft		
Depth--Logger	2344.0	Ft		
First Reading	2343.0	Ft		
Last Reading	844.0	Ft		
Casing--Driller	836.0	Ft		
Casing--Logger	844.0	Ft		
Bit Size	7.875	In		
Casing Size	8.625	In		
Hole Fluid Type	SWG/STARCH/LIME			
Density	9.7	ppg		
Fluid Loss	0.0			
PH/Viscosity	13.0	29.0 sec/qt		
Sample Source	MEASURED			
RM@Measured Temp.	0.200	@ 90 F		
RMF@Measured Temp	0.160	@ 90 F		
RMC@Measured Temp.	0.240	@ 90 F		
Source RMF/RMC	CALCULATED	CALCULATED		
RM@BHT	0.020	@ 105 F		
Time Circulation Stopped	08-06-2015 2:00 pm			
Max Recorded Temp.	105	F		
Equipment/Base	TRK-127	ABILENE, TX		
Recorded By	J. ADAMS			
Witnessed By	N. BUCHANAN			



Tucker

ENERGY SERVICES

COMPENSATED NEUTRON

PEL DENSITY LOG

Company : WARREN AMERICAN OIL COMPANY
Well : UNIVERSITY OF TEXAS 245 #6
Field : FARMER(SAN ANDRES)
County : CROCKETT
State : TEXAS
Country : USA
API No. : 42-105-42255

File No : ABL-60688
Company : WARREN AMERICAN OIL COMPANY,LLC
Well : UNIVERSITY OF TEXAS 245 #6
Field : FARMER(SAN ANDRES)
County : CROCKETT
State : TEXAS
Country : USA
API No : 42-105-42255

Location :
1720' FEL & 2320' FNL
OF SURVEY UL BLK. 46

LSD : Sect : 4 Twp : Rge :

Permanent Datum:	GL	Elevations:		Services:
Drilling Measured From:	KB	KB 2586.00	Ft	CNT CST
Log Measured From:	KB	DF 2685.00	Ft	LDT DLT
Above Permanent Datum:	9.00 Ft	GL 2577.00	Ft	MLT
Date	08-06-2015			
Run Number	1			
Depth--Driller	2343.0	Ft		
Depth--Logger	2344.0	Ft		
First Reading	2343.0	Ft		
Last Reading	844.0	Ft		
Casing--Driller	836.0	Ft		
Casing--Logger	844.0	Ft		
Bit Size	7.875	In		
Casing Size	8.625	In		
Hole Fluid Type	SWG/STARCH/LIME			
Density	9.7	ppg		
Fluid Loss	0.0			
PH/Viscosity	13.0	29.0 sec/qt		
Sample Source	MEASURED			
RM@Measured Temp.	0.200	@ 90 F		
RMF@Measured Temp.	0.160	@ 90 F		
RMC@Measured Temp.	0.240	@ 90 F		
Source RMF/RMC	CALCULATED	CALCULATED		
RM@BHT	0.020	@ 105 F		
Time Circulation Stopped	08-06-2015 2:00 pm			
Max Recorded Temp.	105	F		
Equipment/Base	TRK-127	ABILENE, TX		
Recorded By	J. ADAMS			
Witnessed By	N. BUCHANAN			



Tucker
ENERGY SERVICES

BOREHOLE COMPENSATED

SONIC LOG

Company WARREN AMERICAN OIL COMPANY
Well UNIVERSITY OF TEXAS 245 #6
Field FARMER(SAN ANDRES)
County CROCKETT
State TEXAS
Country USA
API No. 42-105-42255

File No : ABL-60688
Company : WARREN AMERICAN OIL COMPANY,LLC
Well : UNIVERSITY OF TEXAS 245 #6
Field : FARMER(SAN ANDRES)
County : CROCKETT
State : TEXAS
Country : USA
API No : 42-105-42255

Location :
1720' FEL & 2320' FNL
OF SURVEY UL BLK. 46

LSD : Sect : 4 Twp : Rge :

Permanent Datum:	GL	Elevations:		Services:
Drilling Measured From:	KB	KB 2586.00	Ft	CNT CST
Log Measured From:	KB	DF 2685.00	Ft	LDT DLT
Above Permanent Datum:	9.00 Ft	GL 2577.00	Ft	MLT
Date	08-06-2015			
Run Number	1			
Depth--Driller	2343.0	Ft		
Depth--Logger	2344.0	Ft		
First Reading	2307.0	Ft		
Last Reading	844.0	Ft		
Casing--Driller	836.0	Ft		
Casing--Logger	844.0	Ft		
Bit Size	7.875	In		
Casing Size	8.625	In		
Hole Fluid Type	SWG/STARCH/LIME			
Density	9.7	ppg		
Fluid Loss	0.0			
PH/Viscosity	13.0	29.0 sec/qt		
Sample Source	MEASURED			
RM@Measured Temp.	0.200	@ 90 F		
RMF@Measured Temp	0.160	@ 90 F		
RMC@Measured Temp.	0.240	@ 90 F		
Source RMF/RMC	CALCULATED	CALCULATED		
RM@BHT	0.020	@ 105 F		
Time Circulation Stopped	08-06-2015 2:00 pm			
Max Recorded Temp.	105	F		
Equipment/Base	TRK-127	ABILENE, TX		
Recorded By	J. ADAMS			
Witnessed By	N, BUCHANAN			

Groundwater
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Date November 28, 2012

GAU File No.: SC- 15032

***** EXPEDITED APPLICATION *****

API Number 10500000

Attention: JOHN BURROUGHS

RRC Lease No. 09705

SC_897500_10500000_09705_15032.pdf

WARREN AMERICAN OIL CO
P O BOX 470472
TULSA OK 74147

P-5# 897500

--Measured--

1719 ft FEL

330 ft FNL

MRL:SECTION

Digital Map Location:

X-coord/Long 1678414

Y-coord/Lat 484839

Datum 27

Zone C

County CROCKETT

Lease & Well No. UNIVERSITY OF TEXAS 245 #3&ALL

Purpose ND

Location SUR-UL,BLK-46,SEC-4,--[TD=2500],[RRC 7C],

To protect usable-quality groundwater at this location, the Groundwater Advisory Unit of the Texas Railroad Commission recommends:

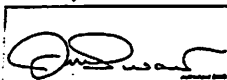
The interval from land surface to the base of the SANTA ROSA, which is estimated to occur at a depth between 750 and 800 feet, must be protected.

This recommendation is adequate for all wells drilled in this NE/4 section 4.

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. This recommendation is intended for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).

If you have any questions, please contact us at 512-463-2741, gau@rrc.state.tx.us, or by mail.

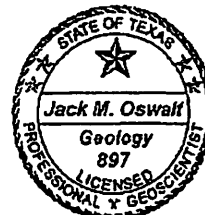
Sincerely,


Digitally signed by Jack Oswalt
DN: c=US, st=TEXAS, le=Austin,
o=Railroad Commission of Texas,
cn=Jack Oswalt,
email=jack.oswalt@rrc.state.tx.us
Date: 2012.11.28 10:03:41 -0600

Jack M. Oswalt, P.G.

Geologist, Groundwater Advisory Unit
Oil & Gas Division

GEOLOGIST SEAL



The seal appearing on this document was authorized by Jack M. Oswalt on 11/28/2012
Note: Alteration of this electronic document will invalidate the digital signature.

